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Human CellExp EGFR/ErbB1, human recombinant protein

EGFR, ERBB, ERBB1, HER1, PIG61, mENA
Catalog # PBV11019r

Specification

Human CellExp EGFR/ErbB1, human recombinant protein - Product info

Primary Accession	P00533
Calculated MW	**This protein is fused with polyhistidine tag at the C-terminus, has a calculated MW of 69.5 kDa. The predicted N-terminus is Leu 25. DTT-reduced Protein migrates as 110-115 kDa due to glycosylation. KDa**

Human CellExp EGFR/ErbB1, human recombinant protein - Additional Info

Gene ID	**1956**
Gene Symbol	**EGFR**
Other Names	
EGFR, ERBB, ERBB1, HER1, PIG61, mENA	
Gene Source	**Human**
Source	**HEK293 cells**
Assay&Purity	**SDS-PAGE; ≥95%**
Assay2&Purity2	**N/A;**
Recombinant	**Yes**
Results	**Measured by its binding ability in a functional ELISA. Immobilized human EGF at 10 µg/ml can bind human EGFR with a linear range of 0.5–750 ng/ml.**

Target/Specificity
ErbB1

Application Notes
Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized

Storage
-20°C; Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

Human CellExp EGFR/ErbB1, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human CellExp EGFR/ErbB1, human recombinant protein - Images

Human CellExp EGFR/ErbB1, human recombinant protein - Background

The epidermal growth factor receptor (EGFR; ErbB-1; HER1 in humans) is the cell-surface receptor for members of the epidermal growth factor family (EGF-family) of extracellular protein ligands. The epidermal growth factor receptor is a member of the ErbB family of receptors, a subfamily of four closely related receptor tyrosine kinases: EGFR (ErbB-1), HER2/c-neu (ErbB-2), Her 3 (ErbB-3) and Her 4 (ErbB-4). Mutations affecting EGFR expression or activity could result in cancer.

Human CellExp EGFR/ErbB1, human recombinant protein - References

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Ilekis J.V.,et al.Mol. Reprod. Dev. 41:149-156(1995).
Reiter J.L.,et al.Nucleic Acids Res. 24:4050-4056(1996).
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